

DROP TEST

HARDNESS (Total, Calcium & Magnesium) (1 drop = 10 ppm)

COMPONENTS:

1 x 5095	Instruction
1 x 9198	Sample Tube, Graduated (25 mL), w/ cap, plastic
1 x R-0010-C	Calcium Buffer, 2oz, DB
1 x R-0011L-C	Calcium Indicator Liquid, 2oz, DB
1 x R-0012-C	Hardness Reagent, 2oz, DB
1 x R-0854-C	Total Hardness Reagent, 2oz, DB

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 800-TEST KIT (800-837-8548).

PROCEDURE:

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.
KEEP REAGENTS AWAY FROM CHILDREN.**

Total Hardness (TH)

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Add 10 drops R-0854 Total Hardness Reagent. Swirl to mix. Sample will turn red if total hardness is present.
3. Add R-0012 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from red to blue. Always hold bottle in vertical position.
4. Multiply drops of R-0012 Hardness Reagent by 10. Record as parts per million (ppm) total hardness (TH) as calcium carbonate.

Instr. #5095

Calcium Hardness (CH)

1. Rinse and fill 25 mL sample tube to 25 mL mark with water to be tested.
2. Add 20 drops R-0010 Calcium Buffer. Swirl to mix.
3. Add 5 drops R-0011L Calcium Indicator Liquid. Swirl to mix. Sample will turn red if calcium hardness is present.
4. Add R-0012 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from red to blue. Always hold bottle in vertical position.
5. Multiply drops of R-0012 Hardness Reagent by 10. Record as ppm calcium hardness (CH) as calcium carbonate.

Magnesium Hardness (MH)

1. Subtract calcium hardness (CH) from total hardness (TH). Record as ppm magnesium hardness (MH).
Formula: $TH - CH = MH$



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